

Title (en)
Buttonhole switch mechanism

Title (de)
Knopfloch-Schaltmechanismus

Title (fr)
Mécanisme de commutation de boutonnière

Publication
EP 2610384 A1 20130703 (EN)

Application
EP 12199345 A 20121224

Priority
JP 2011283091 A 20111226

Abstract (en)
Provided is a buttonhole switch mechanism of a buttonhole sewing machine inducting a buttonhole presser mounted on a lower end of a presser bar of the sewing machine and having a presser frame, a buttonhole switch mechanism disposed on an arm section of the sewing machine, a feed dog disposed below the buttonhole presser to move cloth, a sewing needle forming stitches in the cloth with vertical movement, a controlled performing control on the movement of the feed dog and the sewing needle, a fixing member fixed to a non-movable part of a sewing machine main body, a mount supported so as to be movable in the front-and-rear direction with respect to the fixing member, an adjustment mechanism adjusting and fixing the relative positions of the fixing member and the mount in the front-and-rear direction, a lever member supported by a rotary shaft provided at the mount, and the detection switch fixed to the mount.

IPC 8 full level
D05B 3/06 (2006.01)

CPC (source: EP US)
D05B 3/06 (2013.01 - EP); **D05B 3/14** (2013.01 - US); **D05B 19/12** (2013.01 - US)

Citation (applicant)
• JP 2010227391 A 20101014 - AISIN SEIKI
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Citation (search report)
• [AD] JP 2010227391 A 20101014 - AISIN SEIKI
• [A] US 3841246 A 19741015 - SKIBA J, et al
• [A] US 4604958 A 19860812 - BUSCH EDGAR [DE], et al
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EP2784204A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2610384 A1 20130703; EP 2610384 B1 20140910; CN 203049210 U 20130710; JP 2013132335 A 20130708; JP 5857732 B2 20160210; US 2013160686 A1 20130627; US 9145631 B2 20150929

DOCDB simple family (application)
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